

REMOTE INTERPRETATION OF MEDICAL IMAGES**ABSTRACT OF THE DISCLOSURE**

A remote view station is communicatively coupled to an image server and receives a compressed version of source medical images. The remote view station uncompresses and displays the received medical image. A medical professional, such as a pathologist, can select a region of the displayed medical image. Region information is transmitted back to the image server that applies image analysis operations on a region of the source medical image that corresponds to the selected region of the compressed medical image. In this manner, the data loss that occurs during image compression does not effect the image analysis operations. As such, the image analysis operations produce more accurate results than if the operations were applied by remote view station to the uncompressed image.